

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	43	bioreactor same biofilm same beads	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/30 18:50
S1	345	435/299.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/09/04 08:29
S2	48	("2522947" "3102082" "3281307" "3740321").PN. OR ("3853712").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 09:30
S3	96	biofilm same slides	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 10:50
S4	64	(biofilm growth) and slides	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 10:57
S5	248	(biofilm or microorganism with layer) same growth and bioreactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 11:44
S6	22	(biofilm with growth or microorganism with layer) same slide and reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 11:57
S7	21	("3198005" "4631961" "4945758" "5049492" "5246560" "5349874" "5356521" "5488856" "5599451" "5605836" "5709546").PN. OR ("5928889").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 11:46

S8	21	("3198005" "4631961" "4945758" "5049492" "5246560" "5349874" "5356521" "5488856" "5599451" "5605836" "5709546").PN. OR ("5928889").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 11:57
S9	21	("3198005" "4631961" "4945758" "5049492" "5246560" "5349874" "5356521" "5488856" "5599451" "5605836" "5709546").PN. OR ("5928889").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 11:57
S10	16	(biofilm or microorganism with layer or slime layer) and slide same reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 12:18
S11	3	(biofilm or microorganism with layer or slime layer) and (slide same holder) and reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 12:19
S12	72	(biofilm or microorganism with layer or slime layer) and (glass or beads) with slide) and reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 12:32
S13	1360	(biofilm or microorganism with layer or slime layer) and reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 12:34
S14	648	(biofilm or microorganism with layer or slime layer) same reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 12:34

S15	19	("2956931" "3455788" "3691988" "4115200" "4432642" "4483925" "5017342" "5160378" "5326533" "5349874" "5462644" "5605836" "6051423").PN. OR ("6326190").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:45
S16	3758	biofilm or biolayer or microorganism layer and disruption with growth	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:46
S17	3758	biofilm or biolayer or microorganism layer and disruption with growth with biofilm and slide	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:51
S18	3758	biofilm or biolayer or microorganism layer and disruption with growth with biofilm and slide and @ay <= "2003"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:52
S19	3758	biofilm or biolayer or microorganism layer and disruption with growth with biofilm and slide and @ay <= "2003"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:52
S20	3758	biofilm or biolayer or microorganism layer and disruption with growth with biofilm and slide and @ay < "2003"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:53
S21	3758	biofilm or biolayer or microorganism layer and disruption with growth with biofilm and slide and @ay < "2003" and holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:53
S22	0	(biofilm or biolayer or microorganism layer) and disruption with growth with biofilm and slide and @ay < "2003" and holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:54

S23	1	(biofilm or biolayer or microorganism layer) and disruption with growth with biofilm and slide and @ay < "2003"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:54
S24	14	(biofilm or biolayer or microorganism layer) and disruption with growth with biofilm	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:55
S25	1083	(biofilm or biolayer or microorganism layer) and growth with biofilm	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:55
S26	8	("3402103" "3925165" "4760028" "5266476").PN. OR ("5403742").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:48
S27	0	bioreactor same slide holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:49
S28	1	bioreactor and slide holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:51
S29	14	bioreactor and plate holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:52
S30	580	biofilm same production	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:58
S31	1551	biofilm same (production or formation)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:53
S32	169741	biofilm same slide or glass with plate	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:59
S33	631	biofilm and (slide or glass plate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:00
S34	80	biofilm and (slide or glass plate)and holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:00
S35	950	(biofilm or cell layer or microorganism layer or slime layer) and (slide or glass plate) and holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:08
S36	123	(biofilm or cell layer or microorganism layer or slime layer) and (slide or glass plate) same holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:21

S37	288	(biofilm or cell with layer or microorganism with layer or slime layer) and (slide or glass plate) with holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:26
S38	3	(biofilm or cell with layer or microorganism with layer or slime layer) and (slide or glass plate) with holder with retraction	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:28
S39	28	(biofilm or cell with layer or microorganism with layer or slime layer) and (slide or glass plate) with retraction	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:29
S40	6	(biofilm or cell with layer or microorganism with layer or slime layer) and (slide or glass plate) and holder with retraction	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:30
S41	1677	(biofilm or cell with layer or microorganism with layer or slime layer) and (slide or glass plate) and bioreactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:34
S42	5	(biofilm or cell with layer or microorganism with layer or slime layer) and (slide or glass plate) with holder and bioreactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:37
S43	3	(biofilm or microbiological film or microbiological layer or microorganism layer or microorganism film or slime layer) and (slide or glass plate) with holder and bioreactor	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/09/04 15:39

S44	3	(biofilm or microbiological film or microbiological layer or microorganism layer or microorganism film or slime layer) and (slide or glass plate)with holder and bioreactor	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/09/04 15:39
S45	8	(biofilm or microbiological film or microbiological layer or microorganism layer or microorganism film or slime layer) and (slide or glass plate)with holder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 15:41
S46	0	(biofilm or microbiological film or microbiological layer or microorganism layer or microorganism film or slime layer) and (slide or glass plate) with retraction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 15:42
S47	0	(biofilm or microbiological film or microbiological layer or microorganism layer or microorganism film or slime layer) and (slide or glass plate) same retraction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 15:42
S48	0	(biofilm or microbiological film or microbiological layer or microorganism layer or microorganism film or slime layer) and (slide or glass plate) and holder with retraction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 15:43
S49	91	(biofilm or microbiological film or microbiological layer or microorganism layer or microorganism film or slime layer) and (slide or glass plate) and bioreactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 15:59

S50	13	microbes (layer or film) and bioreactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 16:03
S51	2	microbiological (layer or film) and bioreactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 16:04
S52	5330	biofilm or slime (layer or film) and bioreactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 16:05
S53	562	(biofilm or (slime (layer or film))) and bioreactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 16:56
S54	0	biofilm and holder and biofilm same slides same housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 16:57
S55	2	biofilm and holder and slides same housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 16:58
S56	0	biofilm same slides same housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 16:59
S57	6	biofilm same slide same (house or chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 17:01
S58	308	biofilm same growth same device	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 17:08
S59	1891	biofilm with (forming or formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 17:10
S60	19	biofilm with (forming or formation) with slide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2007/09/04 17:10

S61	21	("3198005" "4631961" "4945758" "5049492" "5246560" "5349874" "5356521" "5488856" "5599451" "5605836" "5709546").PN. OR ("5928889").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 17:15
S62	4	bioreactor and retract \$ with holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 17:17
S63	888	bioreactor and holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 17:18
S64	722	bioreactor and holder and layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 17:18
S65	4	bioreactor and holder and layer and biofilm	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/05 08:33
S66	56	coupon with biofilm	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/05 08:35
S67	21	coupon with biofilm and hold\$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/05 09:05
S68	6	("1133218" "4745801" "4857473" "5235863").PN. OR ("5641642").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/05 09:01
S69	4	("4530763" "5211848" "5486292").PN. OR ("6908556").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/05 09:03
S70	20	coupon with (biofilm or slime or microbiological layer or microorganism layer or microbiological film) and (holder or holding or hold)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 09:11
S71	27	coupon with (biofilm or slime or microbiological layer or microorganism layer or microbiological film) and (holder or holding or hold or retention or retaining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:29

S72	0	biofilm with beads same slides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:30
S73	20	biofilm same beads same slides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:36
S75	26	(biofilm or slime or microbiological film) same beads same slides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:39
S76	26	(biofilm or slime or microbiological film) same beads same slides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:40
S77	44	(biofilm or microorganism or microbiological film) same beads same slides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:50
S78	6	(biofilm or microorganism or microbiological film) and beads same slides and coupon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:52
S79	0	(biofilm) and beads same slides and coupon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:53
S80	4	(biofilm) and beads and slides and coupon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 10:56
S81	22	(biofilm) and slides and coupon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 11:08
S82	227	(biofilm) and slides and beads	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 11:10
S83	34	(biofilm) same slides and beads	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 11:55
S84	0	bioreactor same slides and beads and (holding or holder or retention or retaining) with slide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 11:56

S85	31	bioreactor same slides and beads and (holding or holder or retention or retaining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 11:58
S86	1478	bioreactor and slides and beads and (holding or holder or retention or retaining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 12:26
S87	61	bioreactor and (slides same beads)and (holding or holder or retention or retaining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 11:58
S88	227	biofilm and slides and bead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 12:56
S89	0	(axially with elongated) same (housing and bioreactor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 12:58
S90	8	(elongated) same (housing and bioreactor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 12:58
S91	0	enlogated with housing and bioreactor and length with width with ratio	US-PGPUB; USPAT	ADJ	ON	2007/09/05 13:10
S92	0	enlogated with housing and bioreactor and length with width with ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:10
S93	0	enlogated with housing and bioreactor and length with width with ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:10
S94	0	elongated with housing and bioreactor and length with width with ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:11
S95	0	elongated same housing and bioreactor and length with width with ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:11
S96	2	elongated same housing and bioreactor and length with width	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:12

S97	5	elongated same housing and bioreactor and length and width	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:15
S98	0	axially sam elongated same housing and length and width and reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:19
S99	24	axially same elongated same housing and length and width and reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:55
S100	43	areation and length	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 13:56
S101	3	areation same length	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 14:00
S102	2091	(length same width same ratio) and reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 14:11
S103	103	(length same width same ratio) and bioreactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 14:01
S104	1021	(surface area same volume) and bioreactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/09/05 14:12
S105	0	biofilm and bireactor and slide	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/08/05 14:50
S106	92	biofilm and bioreactor and slide	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/08/05 14:50
S107	97	biofilm and bioreactor and slide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/05 14:50
S108	2	"5928889".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/05 14:52
S109	0	actuat\$ with means with holder same retracti\$ and slide	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:05
S110	0	actuat\$ with means with holder and retracti\$ and slide and bioreactor	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:06
S111	0	actuat\$ with means with holder and retracti\$ and bioreactor	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:06

S112	0	actuat\$ with means with holder and (retract\$ or remov\$) and bioreactor	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:07
S113	0	actuat\$ with means and holder and (retract\$ or remov\$) and bioreactor	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:07
S114	0	actuating with means and holder and (retract\$ or remov\$) and bioreactor	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:07
S115	0	actuation with means and holder and (retract\$ or remov\$) and bioreactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 16:08
S116	1	actuation with means and bioreactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 16:08
S117	170	actuation with means and holder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 16:09
S118	40	actuation with means same holder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 16:10
S119	23356	actuating same holder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 17:11
S120	10757	actuating with holder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 17:11
S121	4501	actuating with holder and @ay< "2003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 17:12
S122	22	actuating with holder with retraction and @ay< "2003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 17:13
S123	43	actuating with holder same retraction and @ay< "2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 17:16

S124	148	actuating with holder same removal and @ay<"2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 17:34
S125	92	actuating with holder with removal and @ay<"2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 17:34
S126	0	actuating with holder with removal and bioreactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 18:03
S127	1	actuating with holder with removal and reactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 18:03
S128	11	length with width with bioreactor with ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/08/07 18:06
S129	81	surface area with volume with ratio same bioreactor	US-PGPUB; USPAT	ADJ	ON	2008/08/12 16:16
S130	17	surface area with volume with ratio same bioreactor same beads	US-PGPUB; USPAT	ADJ	ON	2008/08/12 16:16
S131	34	surface area with volume with ratio same bioreactor and beads	US-PGPUB; USPAT	ADJ	ON	2008/08/12 16:34
S132	94	actuator with rod with thread\$ same holder	US-PGPUB; USPAT	ADJ	ON	2008/08/13 09:40
S133	398	435/299.1.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/30 12:38
S134	398	435/299.1.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/30 12:40
S135	1177	435/289.1.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/30 13:04
S136	0	435/289.1 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/30 13:04
S137	403	435/289.1 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/30 13:04

S138	0	reactor and (top or upper)with (housing or portion)and funnel with shape (mid or middle) with (housing or portion) and (lower or bottom) with (housing or portion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/30 13:47
S139	0	reactor and (top or upper)with (housing or portion)and funnel with shape (mid or middle) with (housing or portion) and (lower or bottom) with (housing or portion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/30 13:47
S140	572	reactor and (top or upper)with (housing or portion)and (mid or middle) with (housing or portion) and (lower or bottom) with (housing or portion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/30 13:48
S141	119	reactor and (top or upper)(housing or portion)and (mid or middle) (housing or portion) and (lower or bottom) (housing or portion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/30 13:49
S142	244	422/130.ccls. and reactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/30 15:08
S143	610	422/129.ccls. and reactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/30 15:20

S144	113	("5403742" "71" "20050061737" "54" "5342522" "63" "6235196" "63" "7326344" "63" "7479220" "63" "20060070949" "63" "20080142422" "63" "20080044850" "62" "5458779" "55" "5543039" "55" "5702604" "55" "5733454" "55" "6329196" "55" "6527948" "55" "6544421" "55" "6558549" "55" "6645374" "55" "6908547" "55" "6926830" "55" "20020020666" "55" "20020185418" "55" "20020185437" "55" "20030150798" "55" "20040079692" "55" "20040206699" "55" "20070170113" "55" "20080110828" "55" "5500353" "54" "5563069" "54" "5599451" "54" "5620891" "54" "5714379" "54" "5747311" "54" "5908555" "54" "6146532" "54" "6214088" "54" "6214088" "54" "6326191" "54" "6423229" "54" "6582596" "54" "6617155" "54" "7001519" "54" "7261811" "54" "7402248" "54" "7534601" "54" "20010002313" "54" "20020185434" "54" "20040178132" "54" "20040219657" "54"). pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/30 16:22
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